

Technical Data Sheet



ALTECH PESU A 1000/100

Base Polymer	Polyethersulfone
Colour	grey
Special Features	good flow
Market Segment	Machinery,electrical and electronic
Application Area	injection moulded parts

Pre-Drying Conditions	in a dry air (dessiccant) dryer 130-150 °C for 3-4 h in an air circulating dryer 130-150 °C for 3-4 h dependant on moisture content
Processing Injection Moulding	melt temperature 330-380 °C mould temperature 120-140 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	2600	MPa	ISO 527
Tensile Stress at Yield	60	MPa	ISO 527
Tensile Elongation at Yield	6.8	%	ISO 527
Notched Impact Strength (Charpy, 23°C)	7	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	200	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.7 - 0.9	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1390	kg/m³	ISO 1183